

US EPA RECORDS CENTER REGION 5



461296

CERCLA Preliminary Assessment Report



Illinois Environmental
Protection Agency
P.O. Box 19276,
Springfield, IL 62794-9276

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CERCLA Preliminary Assessment Report
for
Safety-Kleen, Elgin Recycling Center
ILD000805911

INDEX

Section 1	Executive Summary Bibliography
Section 2	EPA Form 2070-12 "Potential Hazardous Waste Site Preliminary Assessments"
Section 3	Maps State Map Regional Map Site Map Topography Map 1989 Aeiral Photograph 4-Mile Radius Map
Section 4	Photographs Photograph Location Map On-Site Reconnaissance Photographs
Section 5	Supporting Documentation and References

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SECTION 1
EXECUTIVE SUMMARY

Executive Summary

The Safety-Kleen Corporation Recycling Center was placed on the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) January 15, 1988. This action was the result of a request made by the Illinois Environmental Protection Agency.

The facility is situated on a 4.8-acre site located just north of U.S. Route 20 at the eastern edge of the City of Elgin in Cook County. The address of the site is 1500 Villa Street. The site is currently bordered to the north by an open field owned by Safety-Kleen Corporation. To the east lies the Elgin, Joliet and Eastern Railway with a quarry beyond the railway. The site is bordered to the south by U.S. Route 20, and to the west is a residence with a larger residential area to the northwest.

According to a former property owner in the area, the southeast corner of the site was at one time occupied by Shell Oil Company and Ready Gas, a bottled gas facility. To the west of these facilities was a small orchard, a pasture, and two homes. The "Closure Plan Modification" submitted by Safety-Kleen to the U.S. Environmental Protection Agency (U.S.EPA) states that the Safety-Kleen Corporation purchased the Shell Oil bulk fuel oil terminal in 1969. Safety-Kleen installed a distillation column and converted the facility

into a solvent recycling operation in 1970. According to Desi Chari, Safety-Kleen Regional Environmental Engineer, the Safety-Kleen Corporation continued to purchase adjoining property in the following years.

According to Agency records and interviews with company officials, the Safety-Kleen recycle center recycles solvents and solvent mixtures from Safety-Kleen service centers, other Safety-Kleen recycle centers and industrial and commercial sources. The Elgin recycle center also collects used oil and antifreeze, which is transported off-site for processing.

The Elgin Safety-Kleen facility is undergoing changes to become a service center, while the recycling center will be operated at a new location in Dolton, Illinois.

According to the Closure Plan Modification Request, submitted by Safety-Kleen to the Illinois Environmental Protection Agency (IEPA), the Safety-Kleen Elgin Recycle Center is currently regulated under three programs: IEPA RCRA closure, U.S.EPA RCRA closure, and U.S.EPA RCRA corrective action. Agency records indicate that the IEPA is overseeing the closure of two hazardous waste underground storage tanks. The U.S.EPA is overseeing the closure of several former tank and containment areas located throughout the site. Past sampling events at the site have revealed the presence of contaminants in on-site soil as well as contaminants in groundwater.

According to Gale Hruska of the U.S.EPA, the U.S.EPA RCRA corrective action addresses off-site releases, including groundwater contamination and possible surface water contamination.

As part of the closure and corrective action activities a soil gas extraction system and groundwater extraction system have been installed at the site. These systems have been in operation since May of 1991.

On July 22, 1991 a site reconnaissance was made by Judy Triller and Kim Nika of the Illinois Environmental Protection Agency. Also present was Kevin Lesko of the IEPA RCRA Program. During this visit the site was toured. At that time the site was found to be enclosed by a fence with a gate barring entrance. Three tank farms remain at the site. These tanks store waste as well as product. According to Desi Chari, Safety-Kleen Regional Environmental Engineer, the hazardous wastes currently being stored at the facility are mineral spirits, immersion cleaner, anti-freeze, and used oil. At the southwest corner of the facility are two storm water retention ponds. Storm water runoff from the site is carried to the eastern-most pond via storm drains. This pond is lined. Any overflow from this pond flows into the second, unlined pond.

According to well logs of the area and the Illinois State

Water Survey publication, "Public Groundwater Supplies in Kane County", the geology of the area consists of a thick layer (approximately 115 feet to 170 feet) of glacial till composed of pebbly clay, silt, and gravel. Underlying these glacial deposits are dolomite, shale and sandstone. According to the "Closure Plan Modification" submitted to the U.S. EPA by Safety-Kleen, Groundwater is encountered at approximately 12 feet to 30 feet below the ground surface in the vicinity of the site. The glacial till, dolomite, and sandstone aquifers are all utilized for drinking water supplies in the area.

Agency records and telephone interviews with local water operators indicate that twenty public wells are located within four miles of the site. These public wells serve the incorporated city and village areas, while others residing within four miles of the site obtain water from private wells. The nearest well is believed to be a private well located approximately 2000 feet from the site. Public well locations, utilization, and populations served are summarized below.

City of Elgin: Elgin has 11 public wells. Six of these wells are located between three and four miles of the site. The other five wells are located more than four miles from the site. The public water system of Elgin serves approximately 100,000 people. This water system serves Elgin and supplies water to Sleepy Hollow and Bartlett. It should be noted that the Fox River is the primary source of drinking water for the City of Elgin.

Village of South Elgin: South Elgin has four public wells -

one well is located within two to three miles of the site, while the other three are located within three to four miles of the site. The public water system of South Elgin serves approximately 7200 people, all within the village boundaries.

Village of Streamwood: Streamwood has four public wells. Three of these wells are located between two and three miles of the site, while one well is located between three and four miles of the site. The public water system of Streamwood serves approximately 30200 people, all within the village boundaries. It should be noted that village's main source of drinking water is Lake Michigan - not groundwater wells.

Village of Bartlett: Bartlett has six public wells, serving approximately 19300 people, all within the village boundaries. Four of these wells are located within three to four miles of the site, while the other two wells are located more than four miles from the site.

Spring Lakes Mobile Home Park: The park has two public wells serving approximately 1175 residents. The wells are located between one and two miles of the site.

Judging from topographic maps and the visual site inspection, the site has no well-defined surface water route. As stated previously, stormwater at the site is directed to two retention ponds located at the southwest corner of the site. The nearest surface water is Poplar Creek, which is located approximately 4000 feet north of the site and flows from east to west into the Fox River.

No known air emission problems exist at the site. However, approximately 14 acres of wetlands are located within 1/2-mile of the site.

The Safety-Kleen Recycle Center at Elgin is known to have serious soil contamination and groundwater contamination. However, these problems are currently being addressed through

both the U.S.EPA RCRA program and the IEPA RCRA program.
Therefore, the site is recommended for continuing RCRA
oversight.

BIBLIOGRAPHY

Chari, Desi. Regional Environmental Engineer, Safety-Kleen.
Telephone interview July 1, 1991.

Eshelman, Kurt. Water Plant Superintendent, City of Elgin.
July 22, 1991 interview and August 7, 1991 telephone
interview.

Fuhrer, Bob. USEPA. August 12, 1991 telephone interview.

Hruska, Gale. USEPA. August 12, 1991 telephone interview.

Illinois Environmental Protection Agency, Division of Land
Pollution Control files for Safety-Kleen, Elgin facility.

Illinois Environmental Protection Agency, Division of Public
Water Supplies, Facility Inventory.

Illinois State Water Survey. Well logs from the area.

Kuster, Paul. Water Operator, Village of Bartlett. August 5,
1991 telephone interview.

McCully, J. Frank. Elgin Mental Health Center. August 6, 1991
telephone interview.

Nanney, William. Assistant Water Operator, Village of South
Elgin. August 6, 1991 telephone interview.

Schroeder, Robert E. Former property owner in Safety-Kleen
area. August 28, 1991 telephone interview.

White, John. Public Works Director, Village of Streamwood.
August 5, 1991 August 7, 1991 and telephone interviews.

Woller, Dorothy and Sanderson, Ellis. Public Groundwater
Supplies in Kane County. Illinois State Water Survey,
1978.

SECTION 2

EPA FORM 2070-12

**"Potential Hazardous Waste Site
Preliminary Assessment"**



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL D000805911

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

SAFETY - KLEEN

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

03 CITY

ELGIN

04 STATE

IL

05 ZIP CODE

60120

06 COUNTY

COOK

07 COUNTY CODE

089

08 CONG DIST

12

09 COORDINATES LATITUDE

42 01 05. -

LONGITUDE

088 14 00. -

10 DIRECTIONS TO SITE (Starting from nearest public road)

From U.S. Route 20 turn north on Lovell Road, then immediately curve east.

III. RESPONSIBLE PARTIES

01 OWNER (if known)

Safety-Kleen Corp.

02 STREET (Business, mailing, residential)

777 Big Timber Rd.

03 CITY

Elgin

04 STATE

IL

05 ZIP CODE

60123

06 TELEPHONE NUMBER

1708468-2579

07 OPERATOR (If known and different from owner)

Same As Above

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3004 DATE RECEIVED: 11/19/80
3510 MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (CERCLA 102 a) DATE RECEIVED: / /
MONTH DAY YEAR

☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

BY (Check all that apply)

☒ YES

DATE

2/21/91 RCRA

☐ A. EPA

☐ B. EPA CONTRACTOR

☐ C. STATE

☐ D. OTHER CONTRACTOR

☐ NO

7-22-91 CERCLA

CONTRACTOR NAME(S):

(Specify)

02 SITE STATUS (Check one)

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1970 Present

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Mineral Spirits

Immersion Cleaners

Used Oil

Other solvents

Anti-Freeze

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Soil Contamination

Groundwater Contamination

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☒ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

Desi Chari

02 OF (Agency/Organization)

Safety-Kleen Corp

03 TELEPHONE NUMBER

(708) 468-2579

04 PERSON RESPONSIBLE FOR ASSESSMENT

Judy J. Triller

05 AGENCY

IEPA

06 ORGANIZATION

DLPC/RPMS

07 TELEPHONE NUMBER

(217) 782-6760

08 DATE

8/13/91

MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D000805911

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply) <input checked="" type="checkbox"/> A SOLID <input type="checkbox"/> B POWDER, FINES <input type="checkbox"/> C SLUDGE <input type="checkbox"/> D OTHER _____ (Specify)	02 WASTE QUANTITY AT SITE (Measure of waste quantities must be independent) TONS CUBIC YARDS Unknown NO OF DRUMS	03 WASTE CHARACTERISTICS (Check all that apply) <input checked="" type="checkbox"/> A TOXIC <input type="checkbox"/> B CORROSIVE <input type="checkbox"/> C RADIOACTIVE <input type="checkbox"/> D PERSISTENT <input type="checkbox"/> E SOLUBLE <input type="checkbox"/> F INFECTIOUS <input type="checkbox"/> G FLAMMABLE <input type="checkbox"/> H IGNITABLE <input type="checkbox"/> I HIGHLY VOLATILE <input type="checkbox"/> J EXPLOSIVE <input type="checkbox"/> K REACTIVE <input type="checkbox"/> L INCOMPATIBLE <input type="checkbox"/> M NOT APPLICABLE
--	---	---

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	Unknown		Sail + groundwater samples have revealed the presence of contaminants.
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	Unknown		
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/ DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OCC	Benzene	71-43-2	Ed. in grd. water sample	Unknown	
SOL	Chlorobenzene	108-90-7	"	"	
OCC	Chloroform	107-106-3	"	"	
OCC	Cresylic Acid	1319-77-3	"	"	
SOL	1,2-Dichlorobenzene	106-46-7	Ed. in soil sample	2100	ug/Kg
SOL	1,1-Dichloroethane	75-34-3	Ed. in groundwater	Unknown	
SOL	Ethylbenzene	100-41-4	"	"	
OCC	Mineml Spicits		Ed in soil sample	5900000	ug/Kg
SOL	Tetrachloroethylene	127-18-4	Ed. in groundwater	Unknown	
SOL	Toluene	108-88-3	"	"	
SOL	1,1,1-Trichloroethane	71-55-6	Ed. in soil sample	100	ug/Kg
SOL	Trichloroethylene	79-01-6	"	104000	ug/Kg
SOL	Trichlorofluoromethane	75-109-4	"	940	ug/Kg
SOL	1,1,2-Trichlorotrifluoroethane	76-13-1	"	3100	ug/Kg
SOL	Xylene	1330-20-7	Ed. in groundwater	Unknown	

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (See Appendix for references, e.g., State Regs., Local Ordinances, Reports)

IEPA Division of Land Pollution Control Files.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL D000805911

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 82762

02 ☒ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Currently, Safety-Kleen is involved in a corrective action interim measure to pump contaminated groundwater for treatment.

01 ☐ B SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

None Known. No well-defined runoff route.

01 ☐ C CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

None Known.

01 ☐ D FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

None Known

01 ☒ E DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: 21

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Potential direct contact with contaminated soil by employees.

01 ☒ F CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 4.8
(ACRES)

02 ☒ OBSERVED (DATE 6-12-90)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Soil sample analyses show presence of contaminants in on-site soil.

01 ☒ G DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 107480

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

Presence of contaminants in groundwater leads to possibility of drinking water contamination through groundwater wells. Also, it is believed that the plume is moving in the direction of Fox River - a drinking water source.

01 ☒ H WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: 21

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

See "E" above.

01 ☐ I POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

POTENTIAL ALLEGED

04 NARRATIVE DESCRIPTION

None Known.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
IL 0000805911

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Known.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include names of locations)

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Known.

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Known

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Soils, runoff, standing liquids, leaking drums)

02 ☒ OBSERVED (DATE: 6-12-90) ☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

Soil contamination at the site has resulted from leaking tanks and could contribute to groundwater contamination.

01 ☐ N. DAMAGE TO OFF-SITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Known.

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Known.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

None Known.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

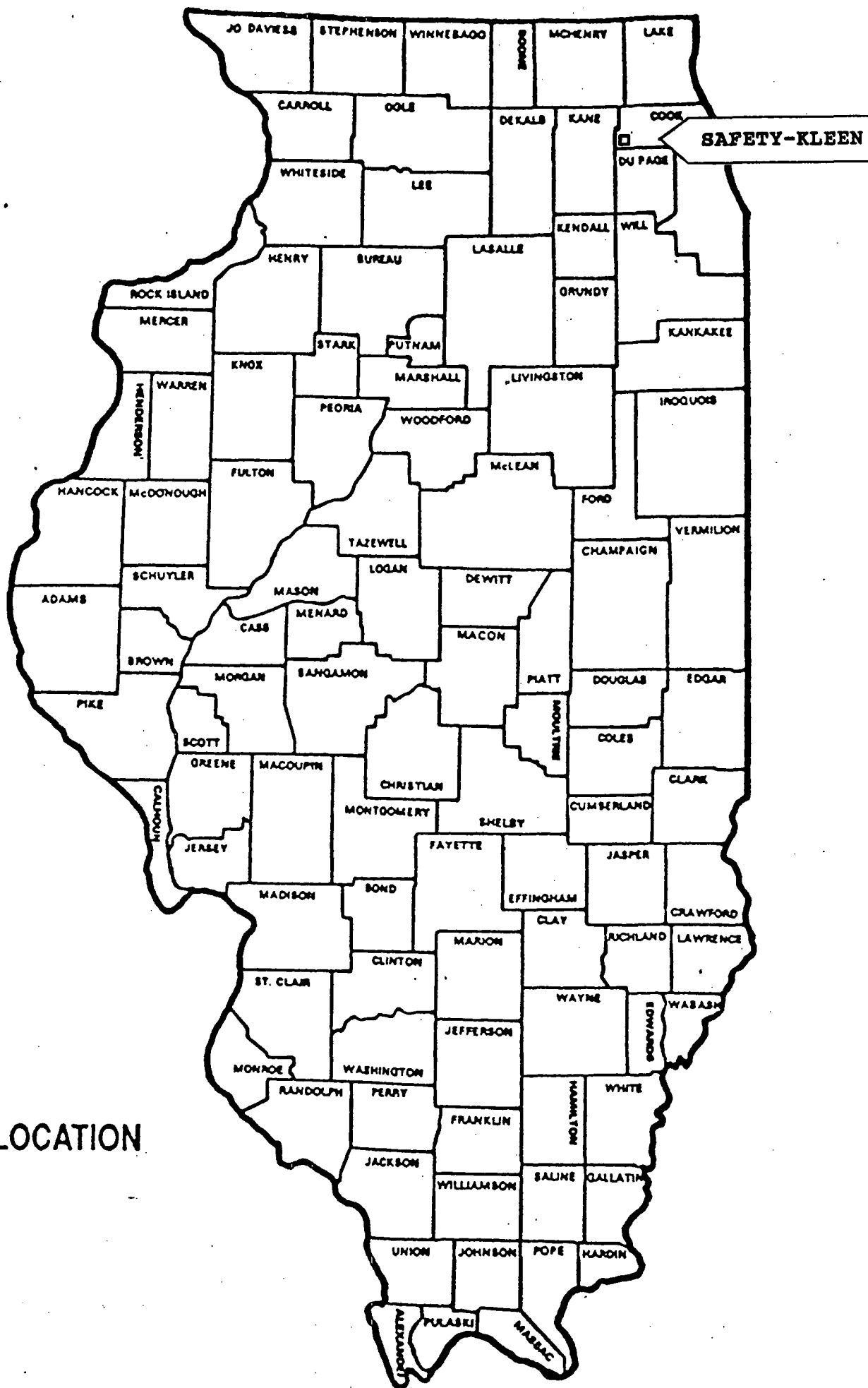
III. TOTAL POPULATION POTENTIALLY AFFECTED: 107480

IV. COMMENTS

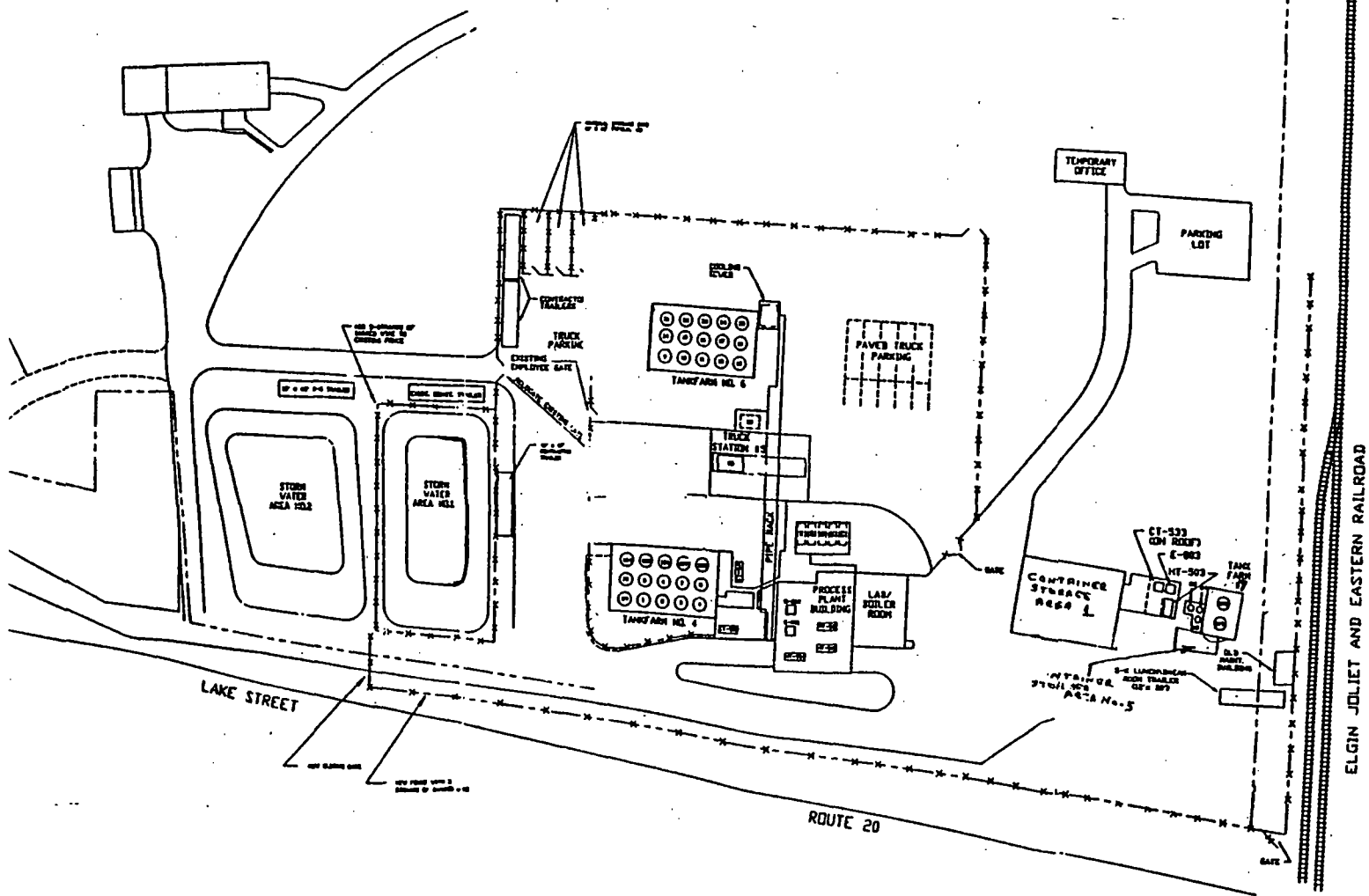
V. SOURCES OF INFORMATION (Can specify references, e.g., state files, reports, analyses, records)

IEPA Div. of Land Pollution Control Files.
Aug. 12, 1991 Telephone Conversation with Gale Hruska, USEPA.
IEPA Div. of Air Pollution Control (Jackie Neuber)

SECTION 3
MAPS



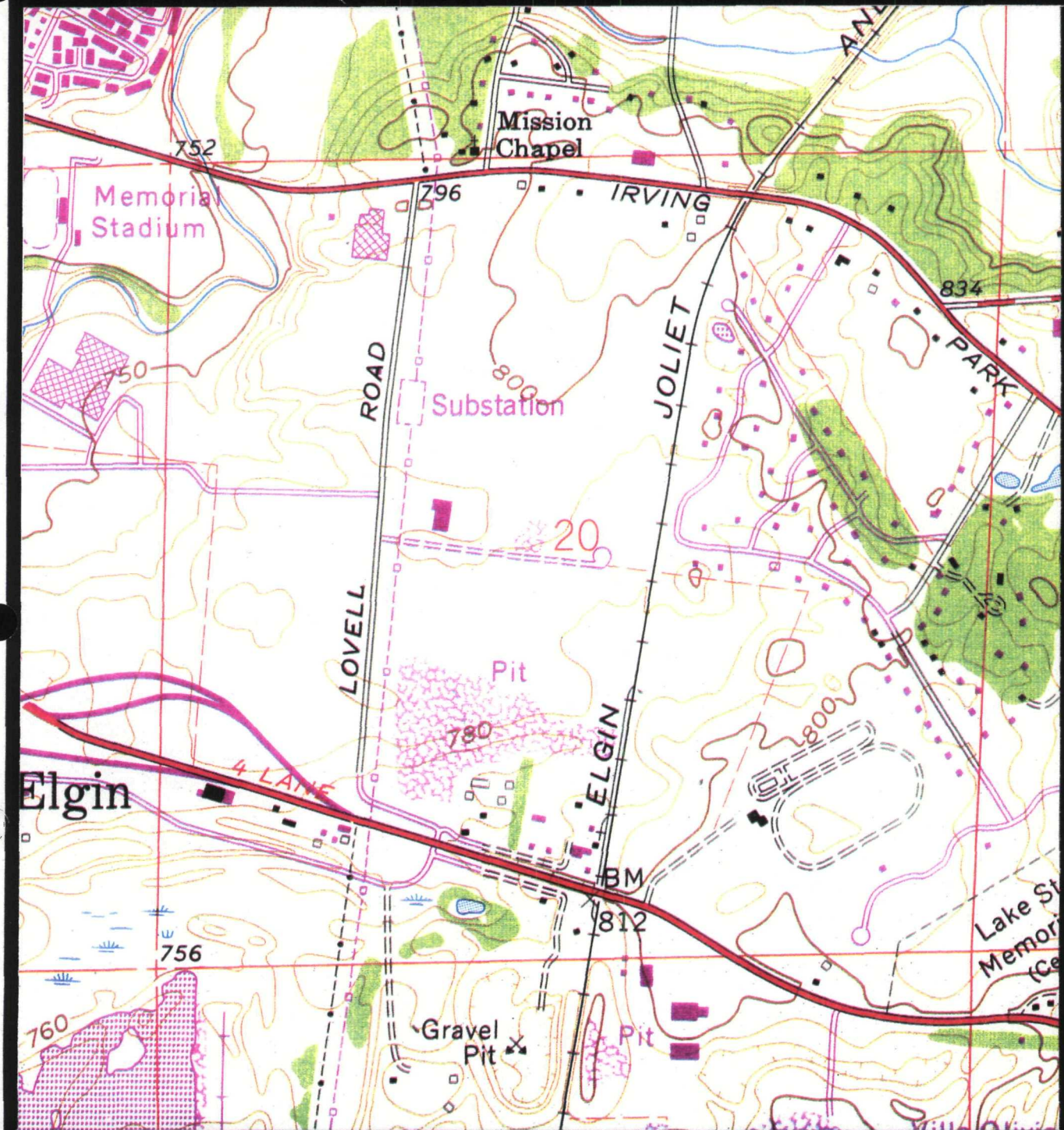
SITE LOCATION



Base Map: Safety-Kleen Corp. February 1990.

SAFETY-KLEEN

SITE MAP



Base Map: USGS 7.5 Minute, 1961 Streamwood Quadrangle; photorevised 1980.

SAFETY-KLEEN
Site Topography



1989 Aerial Photo provided by Illinois Dept. of Transportation

SAFETY-KLEEN
Elgin, IL Facility

N
S

SDMS US EPA Region V

Imagery Insert Form

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SECTION 4
PHOTOGRAPHS

DATE: JULY 22, 1991

TIME: 2:35 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER: 1

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE EAST.

ENTRANCE GATE TO
SAFETY-KLEEN.



DATE: JULY 22, 1991

TIME: 2:20 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 2

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE SOUTHWEST.

STORMWATER RETENTION
POND 1.



DATE: JULY 22, 1991

TIME: 2:35 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 3,4

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE NORTHEAST.

STORMWATER RETENTION
PONDS AND CONSTRUCTION
AREA NORTH OF CURRENT
FACILITY.



DATE: JULY 22, 1991

TIME: 1:45 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 5

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE EAST.

CONTAINER STORAGE
AREA 1.



DATE: JULY 22, 1991

TIME: 1:45 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 6

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE NORTHWEST.

CONTAINER STORAGE
AREA 1.



DATE: JULY 22, 1991

TIME: 1:50 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 7

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE SOUTHEAST.

FORMER LOCATION OF TANK
FARM 8 WITH CONTAINER
STORAGE AREA IN BACK-
GROUND.



DATE: JULY 22, 1991

TIME: 1:55 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 8

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE NORHTEAST.

SOUTH PART OF PROCESS
PLANT BUILDING.



DATE: JULY 22, 1991

TIME: 2:05 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 9

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE SOUTH.

NORTH PART OF PROCESS
PLANT BUILDING.



DATE: JULY 22, 1991

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 10

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE NORTHEAST.

TANK FARM 6.



DATE: JULY 22, 1991

TIME: 2:15 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 11

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE SOUTHEAST.

TANK FARM 4.



DATE: JULY 22, 1991

TIME: 2:20 PM

PHOTOGRAPH TAKEN BY:
JUDY TRILLER

PHOTO NUMBER 12

LOCATION: SAFETY-KLEEN
ILD000805911

PICTURE TAKEN TOWARD
THE EAST.

TRUCK STATION.



SECTION 5
SUPPORTING DOCUMENTATION
AND REFERENCES

REFERENCES

1. Excerpt from "Progress Report On Closure Activities For Underground Storage Tank Nos. T28 and T119".
2. July 1, 1991 Telephone Interview with Desi Chari, Regional Environmental Engineer, Safety-Kleen Corp.
3. August 5, 1991 Telephone Interview with Paul Kuster, Water Operator, Village of Bartlett.
4. August 5, 1991 Telephone Interview with John White, Public Works Director, Village of Streamwood.
5. August 6, 1991 Telephone Interview with J. Frank McCully, Elgin Mental Health Center.
6. August 6, 1991 Telephone Interview with William Nanney, Assistant Water Operator, Village of South Elgin.
7. August 7, 1991 Telephone Interview with Kurt Eshelman, Water Plant Superintendent, City of Elgin.
8. August 7, 1991 Telephone Interview with John White, Public Works Director, Village of Streamwood.
9. August 12, 1991 Telephone Interview with Gale Hruska of the U.S. EPA.
10. August 12, 1991 Telephone Interview with Bob Fuhrer of the U.S. EPA.
11. Excerpt from the Illinois State Water Survey publication, "Public Groundwater Supplies in Kane County."
12. Well Logs from Township 41 North, Range 9 East, Section 20, obtained from Illinois State Water Survey.

REFERENCE 1

PROGRESS REPORT ON CLOSURE
ACTIVITIES FOR
UNDERGROUND STORAGE TANK NOS. T28 AND T119
SAFETY-KLEEN CORP., RECYCLE CENTER
ELGIN, ILLINOIS
(DPLC #031438001-COOK COUNTY)
(ILD 000805911)



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Saftey-Kleen

Date: Tuesday July 12, 1990

777 Big Timber Road
Elgin, IL 60123

Re: T119-B5 S2
Project # 3418-03-01-0000
Lab ID: 9006G271-003
Sample Date: 06/12/90
Date Received: 06/13/90
Units: UG/KG

Attn: Mr. Desi Chari

ORGANIC CLIENT DATA REPORT

Compound	Result	Detection Limit	Flag
Tetrachloroethylene	BDL	120	U
Trichloroethylene	BDL	40	U
Methylene Chloride	40	70	JB
1,1,1-Trichloroethane	BDL	40	U
Carbon Tetrachloride	BDL	160	U
Chlorobenzene	BDL	15	U
1,1,2-Trichlorotrifluoroethane	200	70	
Trichlorofluoromethane	940	570	
Toluene	4	10	J
Carbon Disulfide	BDL	2500	U
Benzene	BDL	10	U
Mineral Spirits	BDL	9400	U
1,2-Dichlorobenzene	BDL	60	U



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Safety-Kleen

Date: Friday February 23rd, 1990

777 Big Timber Road
Elgin, IL 60123

RE: T119-01
Project # 3418-03-01-0000
Lab ID: 9002G751-001
Sample Date: 02/14/90
Date Received: 02/14/90
Units: UG/KG

Attn: Mr. Desi Chari

SEMIVOLATILES BY GC/MS, SPECIAL LIST

Semivolatile Compound	Result	Detection Limit	Flag
2-Methylphenol	130	340	J
4-Methylphenol	230	340	J
3-Methylphenol	BDL	340	U



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Safety-Kleen

Date: February 26, 1990

777 Big Timber Road
Elgin, IL 60123

Re: T119-01

Project # 3418-03-01-0000

Lab ID: 9002G751-001 Reanalysis

Attn: Mr. Desi Chari

Sample Date: 02/14/90

Date Received: 02/14/90

Units: UG/KG

ORGANIC CLIENT DATA REPORT

Compound	Result	Detection Limit	Flag
Tetrachloroethylene	BDL	30	U
Trichloroethylene	BDL	30	U
Methylene Chloride	30	50	JB
1,1,1-Trichloroethane	60	40	
Carbon Tetrachloride	BDL	130	U
Chlorobenzene	BDL	10	U
1,1,2-Triclorotrifluoroethane	150	50	
Trichlorofluoromethane	BDL	260	U
Toluene	BDL	5	U
Carbon Disulfide	BDL	2900	U
Benzene	BDL	5	U
Mineral Spirits	BDL	7400	U
1,2-Dichlorobenzene	2100	40	

Compound	Result	Detection Limit	Flag
Tetrachloroethylene	BDL	4800	U
Trichloroethylene	BDL	1500	U
Methylene Chloride	BDL	2600	U
1,1,1-Trichloroethane	BDL	1600	U
Carbon Tetrachloride	BDL	6400	U
Chlorobenzene	BDL	460	U
1,1,2-Trichlorotrifluoroethane	3100	2600	
Trichlorofluoromethane	BDL	22000	U
Toluene	BDL	280	U
Carbon Disulfide	BDL	100000	U
Benzene	150	290	J
Mineral Spirits	980000	320000	
1,2-Dichlorobenzene	BDL	2400	U



WESTON-GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Safety-Kleen

Date: July 17, 1990

777 Big Timber Road
Elgin, IL 60123

Re: T-28-02

Project # 3418-03-01-0000

Lab ID: 9006G379-003

Sample Date: 06/16/90

Date Received: 06/18/90

Units: UG/KG

Attn: Mr. Desi Chari

Organic Client Data Report

Compound	Result	Detection Limit	Flag
Tetrachloroethylene	BDL	4800	U
Trichloroethylene	BDL	1500	U
Methylene Chloride	BDL	2600	U
1,1,1-Trichloroethane	BDL	1600	U
Carbon Tetrachloride	BDL	6400	U
Chlorobenzene	BDL	460	U
1,1,2-Trichlorotrifluoroethane	BDL	2600	U
Trichlorofluoromethane	BDL	22000	U
Toluene	BDL	280	U
Carbon Disulfide	BDL	100000	U
Benzene	150	290	J
Mineral Spirits	5900000	350000	
1,2-Dichlorobenzene	BDL	2400	U



WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60468
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Safety-Kleen

Date: Tuesday July 17th, 1990

777 Big Timber Road
Elgin, IL 60123

RE: T-28-01 EPTOX
Project # 3418-03-01-0000
Lab ID: 9006G379-002
Sample Date: 06/16/90
Date Received: 06/18/90

Attn: Mr. Desi Chari

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cadmium, EP Leachate	0.010	u mg/L	0.010
Lead, EP Leachate	0.072	mg/L	0.050

WESTON-GULF COAST LABORATORIES, INC.
2417 Bond St., University Park, Illinois 60466
Phones: (708) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Safety-Kleen

Date: July 17, 1990

777 Big Timber Road
Elgin, IL 60123

Re: T-28-01
Project # 3418-03-01-0000
Lab ID: 9006G379-001
Sample Date: 06/16/90
Date Received: 06/18/90
Units: UG/KG

Attn: Mr. Desi Chari

Organic Client Data Report

Compound	Result	Detection Limit	Flag
Tetrachloroethylene	BDL	4800	U
Trichloroethylene	64000	1500	
Methylene Chloride	BDL	2600	U
1,1,1-Trichloroethane	BDL	1600	U
Carbon Tetrachloride	BDL	6400	U
Chlorobenzene	BDL	460	U
1,1,2-Trichlorotrifluoroethane	BDL	2600	U
Trichlorofluoromethane	BDL	22000	U
Toluene	BDL	280	U
Carbon Disulfide	BDL	100000	U
Benzene	BDL	290	U
Mineral Spirits	2600000	320000	
1,2-Dichlorobenzene	BDL	2400	U

WEI 313-01-01, Rev. 3
October 11, 1990
Page 12

and results. (Sections 4.2, 5.2, 5.3, Appendices A, B)

6.2 SOIL CONDITIONS AND REMEDIATION NEEDS

The soil at the former T28 and T119 UST locations appear to have been impacted by releases associated with these USTs. Both areas are under active structures, truck station No. 5 and the IC Warehouse, respectively. Due to the presence of these structures, excavation of impacted soil in the former UST areas was not considered practical. In light of this fact, in-situ treatment techniques are believed to be the most effective way to remediate impacted soils to achieve clean closure.

It should be noted that significant efforts are under way to evaluate site-wide remediation needs. The Elgin Recycle Center is currently engaged in the RCRA Facility Investigation Corrective Action process. Further, significant interim measures are under way. These interim measures include ongoing preparation of a feasibility report to conduct in-situ remediation of Container Storage Area No. 5 and Tank Farm No. 8 as they relate to site-wide remedial needs. Safety-Kleen is also awaiting final approval from the USEPA to activate a ground water withdrawal system, already in place and operational at the Elgin facility.

Safety-Kleen believes it is in the best interest of human health and the environment to extend the closure period to allow additional time to achieve clean closure of the T28 and T119 UST areas through in-situ remediation methods. An official request for continuation of the closure period to allow for clean closure through in-situ remediation of impacted soils is included in the cover letter accompanying this report.

This report was prepared on behalf of Safety-Kleen Corp. by Wang Engineering, Inc. Staff Geologist, John Kalata under the direction of Lawrence L. Holish, P.E.

Very truly yours,

WANG ENGINEERING, INC.

John Kalata

John Kalata

L. L. Holish

Lawrence L. Holish, P.E.
Vice President, Geotechnical

JK/LLH:lw

REFERENCE 2

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Livingston
COUNTY

DLPC
DIVISION

SAFETY-KLEEN (Elgin) / ILD 000805911 I. D. or FILE NO. _____

Re: Surface runoff from the Elgin facility

Conversation with: Desi Chari

() I Called Party () Party Called Me DATE 7/11/91 TIME 1:02 pm

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

② I had a question about
storm water runoff at Elgin
site - what happens to
surface runoff?

④ tilt

④ What if it overflows -
where would the water
go.

① This is Desi Chari from
Safety-Kleen, returning
your call.

③ If it is in contained
area, it is directed to
either pumped to storage
tank or sent out via
sewers. If it's from other
areas like parking lots
it runs into storm water
retention ponds + it
incorporates a percolator.

⑤ There are 2 ponds, the
first is lined - if it over-
flows, it spills over to

use reverse side if necessary

What I Said:

⑥ But if that overflowed, where would it go?

⑧ Do you know where surface water ^(runoff) went before the ponds were built?

Comments _____

Referred to: _____

Unit _____

Copies to: () File _____

Recommendations _____

Signature _____

What Other Party Said:

the second pond, which isn't lined.

⑦ It doesn't rain that much.

The retention ponds have been there 7 or 8 years.

⑨ I don't know. I've been there about 3 years. It's probably just rain, it's some low-lying area. Several have been there about 10 years.

US EPA has REL workers that probably has some

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Livingston
COUNTY

DLPC / RPMS
DIVISION

SAFETY - KLEEN (Elgin) ILD 000805911 I. D. or FILE NO. _____

Re: Surface runoff from Elgin facility

Conversation with: Doris Chari

() I Called Party () Party Called Me DATE 7/1/91 TIME 1:02 p

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

(10) I'm in RPMS in the
superfund prog. I'll be doing
a preliminary assessment.

(12) I'll see sometimes there is
a bit of overlap but I'll
at least be looking into it.

(14) I'm not sure yet, it
could be because of the
groundwater contamination
or something like that - but
I don't really know at the
time why it was put on
our list.

② CERCLIS

What Other Party Said:

of this information.
I'll be all over working
on it?

(11) Even though it's an
active RCRA facility?

(13) How did it get to
have a prelim assessment?

(15) I'll be all over working
on it?

(17) Okay CERCLIS
use reverse side if necessary

What I Said:

What Other Party Said:

⑩ If I have any more
questions later - are you
the person who would
be able to help.

Thanks.

⑪ Yes I suppose.

Comments

Referred to:

Unit

Copies to: () File

Recommendations

Signature

REFERENCE 3

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

COOK

COUNTY

DLPC

DIVISION

SAFETY - KLEEN (Elgin) / ILD 000805911 I. D. or FILE NO. _____

Re: Bartlett village water supply / distribution

Conversation with: Paul Kuster, Sr. Pilot Operator

(☒) I Called Party () Party Called Me DATE 8 15 1971 TIME 1:20 pm

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① Introduction

② How many wells are you using now?

② There are currently using 10 wells.

③ And one well has been abandoned.

④ Yes, number 3 has been abandoned.

⑤ Do any of the wells provide over 10% of the supply?

⑥ No, they're pretty much even.

⑦ Are they all blended together?

⑧ Yes, they're blended.

⑨ How many are desired?

⑩ The current population is 19,300.

⑪ Do you desire just within Bartlett city limits?

⑪ Yes.

⑫ Are there any private wells?

use reverse side if necessary

Judy J. Toller

Signature

Title

What I Said:

What Other Party Said:

users in town?

(15) Do the unincorp areas
get city water at all?

(17) Are these wells your
only source of water?

(19) Is that all blended
with your own water?

(21) If you have any well
logs that show the geology,
could you send a copy.

(23) Thanks a lot!

(14) No, but there are in the
unincorporated areas.

(16) No.

(18) Do purchase water from
Elgin - that's a combination
of surface water + well water.

(22) Yes.

(22) Sure, I'll see what
I've got.

Comments

Referred to: _____ Unit _____

Copies to: () File _____

Recommendations _____

Signature _____

REFERENCE 4

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

DLPC
DIVISION

Safety-Kleen / ILD 000805911 I. D. or FILE NO.

Re: Village of Streamwood - water supply

Conversation with: John White

(☒) I Called Party () Party Called Me DATE 8/5/91 TIME 3:20 pm

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

(14) Is there is the deep well?

(15) It's at 220 Streamwood
Bldg. I think it's well #3.

(16) What about the area north
of Streamwood. Are there
people on pit wells?

(17) The union corp. area
probably are, but there's
also Hoffman Estates -
which is incorporated.

(18) Thanks for your help.

use reverse side if necessary

Judith J. Jolley
Signature

EPS I
Title

What I Said:

What Other Party Said:

Comments

Referred to:

Unit

Copies to: () File

Recommendations

Signature

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook

COUNTY

DLPC

DIVISION

SAFETY - KLEEN (Elgin) / ILD 000805911 I. D. or FILE NO. _____

Re: Streamwood water supply / distribution

Conversation with: John White, Public Works Director

(☒) I Called Party () Party Called Me DATE 8/5/91 TIME 3:20 pm

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① This is John White
returning your call.

② Yes, I have some questions
about your water supply.
Does your water come
from Lake Michigan?

③ Yes

④ Is it purchased from another
town or does it come from
the lake directly?

⑤ There is the Northwest Suburbs
(?) in association w/
about 7 communities.

⑥ Do you know if there are
any private

⑦ Do you serve just w/
Streamwood city limits?

⑧ There are one or two home
out of city that we serve.

⑧ Do you know if there are
any private wells within

use reverse side if necessary

Judy J. Triller

Signature

EPS T

Title

What I Said:

What Other Party Said:

this city?

⑩ How many people do you serve?

⑪ You used to have some wells, but those are shut down?

⑨ As far as I know, there are none. But the unincorp. areas have private wells.

⑩ I believe the population is 30,200.

⑪ We still have wells, but they're rarely used. There's 1 deep well & 3 other. The deep well is ^{run} several times a month, especially during summer. The shallow wells haven't been used in over a year.

Comments

Referred to: _____ Unit _____

Copies to: () File _____

Recommendations _____

Signature _____

REFERENCE 5

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook Co.
COUNTY

DLPC
DIVISION

Safety-Kleen (Elgin) 1-800-00805911 I. D. or FILE NO. _____

Re: wells at Elgin Mental Health Center

Conversation with: Frank McCully

(☒) I Called Party () Party Called Me DATE 8/16/91 TIME 11:00 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① I'm returning your call from yesterday.

② I had questions about the wells you have at your facility. How many are there?

③ There are two.

④ Do you know how deep they are?

⑤ About 2000 feet.

⑥ Are they used about the same amount?

⑦ They're not used at all. We don't use city water. The wells aren't capped, we're trying to give one to the city.

⑧ How long have they been out of service?

⑨ About 10 years.
use reverse side if necessary

James J. Triller

Signature

FPS I
Title

What I Said:

What Other Party Said:

① Okay, that's all I
need - thanks for the
information.

Comments

Referred to: Unit

Copies to: () File

Recommendations

Signature

REFERENCE 6

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook

COUNTY

DLPC

DIVISION

Safety - Kleen (Elgin) / ILD000805911 I. D. or FILE NO. _____

Re: South Elgin Water Supply, Distribution

Conversation with: William Nanney, Asst. Water Operator

(☒) I Called Party () Party Called Me DATE 8/16/91 TIME 11:30 a.m.

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① Introduction

Do you have 3 wells?

② We have 4 now. One we started about a year ago.

③ Where is that one?

④ 474 E. Spring Street.

⑤ Do Are any of the wells provide over 40% of the water? Or are they all about the same?

⑥ Yes, they're all about even.

⑦ Is the water all blended (from each well)?

⑧ yes

⑨ Do you know how many people are served?

⑩ The population is about 7200.

⑪ Do you serve only S. Elgin then?

⑫ yes, we don't serve any outside S. Elgin.
use reverse side if necessary

Judy J. Miller

IL 532-0727
EPA 129 (Rev. 1/81)

Signature

EPS I

Title

What I Said:

What Other Party Said:

⑬ Do you know if there are any private well users in town?

⑭ Are the 4 wells your only source of water?

⑮ Do you happen to know if Valley View has their own wells?

⑯ What about the area to the east of S. Elgin + west of Bartlett. Are they on private wells?

⑰ Thanks for your help!

Comments

⑭ There are probably a few very few if any. Probably only a handful.

⑮ Yes, we don't use any surface water or get water from Elgin or anywhere else.

⑯ I think they do.

⑰ Yes, I believe they would be.

Referred to: _____ Unit _____

Copies to: () File _____

Recommendations _____

Signature _____

REFERENCE 7

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook

COUNTY

DIPC

DIVISION

Safety-Kleen (Elgin) / ILD 000805911 I. D. or FILE NO.

Re: Water Intakes for City of Elgin

Conversation with: Kurt Eshelman, Water Plant Superint. - Elgin

(☒) I Called Party () Party Called Me DATE 8/7/91 TIME 10:30 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

- ② Can you give me the location of your water intakes?
- ④ How often do you use the wells?
- ⑥ To double-check, the well-field in the north generally serves low pressure zone, but over a period of time may go

- ① Introduction. I'm returning your call.
- ③ If you start at I-90 & go downstream on Fox River, they're just about one mile on west bank. They're just across from the wells.
- ⑤ On an "as needed" basis determined by water quality. They're on a minimum of once a year.

use reverse side if necessary

Quincy J. Miller
Signature

EPS I

Title

What I Said:

What Other Party Said:

to only part of the city?

⑧ One more question -
does city water go all
the way to Safety-Kleen
on Rt. 20?

⑩ So Safety-Kleen should
pay for city water?

⑦ There are the east wells -
Slide Creek wells.
The Riverside pumps to both
zones plus a new zone - it
can pump anywhere.

⑨ Yes, it does

⑪ Yes, I believe they are

Comments

Referred to: Unit

Copies to: () File

Recommendations

Signature

REFERENCE 8

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

Cook
COUNTY

DLPC
DIVISION

Safety - Kleco (Elgin) 1-ILD 000805911 I. D. or FILE NO. _____

Re: Location of Streamwood wells

Conversation with: John White

(☒ I Called Party () Party Called Me DATE 8/7/91 TIME 11:00 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

② Thanks. I just wanted
to ask which 4 wells are
still used?

① Introduction. I'm
returning your call.

④ Okay, so it's 3, 4, 5, 7?

③ I believe it's numbers
3, 4, 6 and 7
Not 3, 4, 5 and 7
because 5 + 6 are in
the same house + 6
was shut ^{plugged} down, so it
has to be 5.

⑥ That's all I needed to know -
thanks.

⑤ That's right.

use reverse side if necessary

Quay A. Trillin
Signature

EPS I
Title

What I Said:

What Other Party Said:

Comments

Referred to:

Unit

Copies to: () File

Recommendations

Signature

REFERENCE 9

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

①

TELEPHONE CONVERSATION RECORD

COOK

COUNTY

DLPC

DIVISION

SAFETY - KLEEN (Elgin) / ILD000805911 I. D. or FILE NO. _____

Re: US EPA action at the facility

Conversation with: GALE HRUSKA of US EPA

(☒) I Called Party () Party Called Me DATE 8/12/91 TIME 10:30 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① This is Gale Hruska. George
Hamper asked me to
give you a call because you
wanted to know about
Safety - Kleen.

② Yes, I'm doing a CERCLA
P.A. on the facility + I'm
trying to get a better idea of
what's going on at the site.

③ There's a lot going on
there. There's a closure
action - some tanks, they're
doing soil gas extraction +
pumping. There's also
a corrective action. They're
pumping out water. From
soil gas surging it appears
the plume is moving south

④ Is there soil contam. pretty

use reverse side if necessary

Judith J. Trullie

Signature

EPS I

Title

What I Said:

much more most of the
site?

⑥ Is that the good water
extraction pit?

⑦ Is that does the corrective
action address?

Comments

Referred to: _____ Unit _____

Copies to: () File _____

Recommendations _____

Signature _____

What Other Party Said:

⑤ It's known contamination
around the area

⑥ That's the interior measure
pumping and water. The
closure addresses mostly
the soil contamination

⑦ It looks at releases off-site
Keep new contamination
occurring while doing a
work plan for off-site work

⑧ Like have it sampled and
water off-site - only, done
soil gas sampling. Like'll also

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

②

TELEPHONE CONVERSATION RECORD

Cook

COUNTY

DLPC

DIVISION

Safety-Kleen (Elgin) / ILDM00805911

I. D. or FILE NO. _____

Re: USEPA actions at the site

Conversation with: Gale Hruska of USEPA

☒ I Called Party () Party Called Me DATE 8/12/91 TIME ~10:30 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

What Other Party Said:

① What surface water is there?

surface water down gradient

② Across the road there is a
swampy area.

③ Does that go into any
stream or river?

④ I don't believe so.
But, from the soil gas
surveys it looks like
the plume heads down to
the river & there are some
intakes there I think.

⑤ If they pump and water
out - where is it go?

⑥ They've got 2 pumping
wells down from main
part of facility. The water
goes to what used to be
Elgin Sanitary Dist. - it's
a public treatment works
use reverse side if necessary

Judy J. J. J. J.

Signature

EPS I

Title

What I Said:

What Other Party Said:

①7 Okay, I may have
more questions later, but
thanks for the information!

Comments

Referred to:

Unit

Copies to: () File

Recommendations

Signature

REFERENCE 10

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

TELEPHONE CONVERSATION RECORD

COOK

COUNTY

DIPC

DIVISION

SAFETY - KLEEN (Elgin) / TEL 000805911. I. D. or FILE NO. _____

Re: USEPA actions at the facility.

Conversation with: Bob Fuhrer

(☒) I Called Party () Party Called Me DATE 8/12/91 TIME ~11:30 AM

() Complainant () Violator () Public Inquiry () Partitioner

What I Said:

- ② I'm trying to get some info. on Safety-Kleen in Elgin as far as USEPA involvement. I just talked to Mike Hruska - he helped me out too.

What Other Party Said:

- ① This is Bob Fuhrer, returning your call.

- ③ They've got 3 soil rent wells now + there will be 4 or 5 more in about the next 4-5 months. I don't know there's major contamination at the site there's contam. in ground water + soil. There's been confirmation for 10 years that the work has just started this year. All of their storage tanks use reverse side if necessary

Judy J. Triller
Signature

E.P.S. I

Title

What I Said:

What Other Party Said:

- ④ They have these problems
but it sounds like it's
all being taken care of.

- ⑥ Okay, thanks for your
help!

liked - That's 20 bag
waste tanks + 20 product
tanks.

- ⑤ Well, I still wouldn't
write it off.

Jim Daugherty knows
a lot about the site. Or
it may have changed
to Dave Dasher. (Deishu?)

Comments

Referred to: Unit

Copies to: () File

Recommendations

Signature

REFERENCE 11

ISWS/BUL-60(22)/78

BULLETIN 60-22

STATE OF ILLINOIS

DEPARTMENT OF REGISTRATION AND EDUCATION



*Public Groundwater Supplies
in Kane County*

by DOROTHY M. WOLLER and ELLIS W. SANDERSON

ILLINOIS STATE WATER SURVEY

URBANA

1978

WELL NO. 3, open to the Cambrian-Ordovician aquifer, was completed in July 1971 to a depth of 1393 ft by the Wehling Well Works, Beecher. The well is located east of Highway 47 on the north side of the village, approximately 1295 ft N and 380 ft E of the SW corner of Section 32, T40N, R7E. The land surface elevation at the well is approximately 900 ft.

A 15.2-in. diameter hole was drilled to a depth of 352 ft and finished 12 in. in diameter from 352 to 1393 ft. The well is cased with 16-in. drive pipe from land surface to a depth of 208 ft and 12-in. pipe from land surface to a depth of 352 ft (cemented in).

A production test was conducted by the driller on July 28-29, 1971. After 23.8 hr of pumping at varying rates of 290 to 550 gpm, the final drawdown was 133 ft from a non-pumping water level of 362 ft below the top of the casing. Five hr after pumping was stopped, the water level had recovered to 376 ft.

The pumping equipment presently installed consists of a 40-hp Byron Jackson electric motor, a 7-in., 23-stage Byron Jackson submersible pump set at 510 ft, rated at 200 gpm at about 550 ft TDH, and has 510 ft of 4-in. column pipe. The well is equipped with 510 ft of airline.

A partial analysis of a sample (Lab. No. 186387) collected during the initial production test, showed the water to have a hardness of 246 mg/l, total dissolved minerals of 311 mg/l, and an iron content of 1.7 mg/l. The iron content is probably not representative of the water in this well because of initial pumping conditions.

A drillers log of Well No. 3 follows:

Strata	Thickness (ft)	Depth (ft)
Gravel and sand	30	30
Mud	160	190
Gravel, broken rock	10	200
Lime	6	206
Lime and shale	119	325
Shale	15	340
Lime	350	690
Sand	56	746
Sand, shale and red rock	14	760
Sand	14	774
Sand and shale	56	830
Sand	145	975
Red rock and sand	6	981
Sand	14	995
Red rock and green shale	10	1005
Sand	59	1064
Lime	111	1175
Sandy shale	10	1185
Lime	20	1205
Lime and green shale	9	1214
Sand	179	1393

ELGIN

The city of Elgin (55,691) installed a public water supply in 1887. Thirteen wells (Slade Ave. Well Nos. 1-6, Lavoie Ave. well, St. Charles St. Well No. 3, and Well Nos. 1A, 2A, 3A, 4A, and 5A) are in use and three other wells (Slade Ave. Shallow well, North State St. well, and Crighton Ave. well) are available for emergency use. This supply is also cross connected with the Elgin Mental Health Center (State Hospital) wells. In 1949 there were 9900 services; the average daily pumpage was 2,967,000 gpd. In 1974 there were 15,202 services, all metered; the average and maximum daily pumpages were 7,187,914 and 10,700,000 gpd, respectively. Water at the Slade Ave. and West Side plants is aerated, lime-soda softened, prechlorinated, fluoridated, and post chlorinated. Water at the St. Charles St. plant is aerated, zeolite softened, fluoridated, and chlorinated.

Initially, water was obtained from the Fox River with the pumping station and filtration plant located between the east bank of the Fox River and the Chicago and Northwestern RR, about 1000 ft north of Slade Ave. Because of adverse public opinion in obtaining water from this source, a ground-water supply consisting of the first four Slade Ave. wells was initiated in 1904. The supply from these wells and other wells subsequently drilled was not always adequate for the city demands, so the filtered river water supply was maintained

to supplement the well supply until about 1920.

A description of the wells serving the Slade Ave. Treatment Plant follows:

SLADE AVE. WELL NO. 1, open to the Cambrian-Ordovician and the Elmhurst-Mt. Simon aquifers, was completed in 1901 to a depth of 2000 ft (rehabilitated in 1960 to a depth of 1945 ft) by Frank M. Gray, Milwaukee, Wis. The well is located at the southwest corner of the pumping station, approximately 775 ft S and 725 ft W of the NE corner of Section 11, T41N, R8E. The land surface elevation at the well is approximately 725 ft.

A drillers log of Slade Ave. Well No. 1 follows:

Strata	Thickness (ft)	Depth (ft)
Drift	38	38
Limestone	27	65
Shale	50	115
Limestone, dark	70	185
Limestone, light	140	325
Limestone, brown	75	400
Limestone, mixed with shale	85	485
Limestone	75	560
St. Peter Sandstone, dark	80	640
St. Peter Sandstone, white	62	702
Limestone, lower magnesium	48	750
Limestone, lower some hard	100	850
Limestone hard, some shale	30	880

<i>Strata (continued)</i>	<i>Thickness (ft)</i>	<i>Depth (ft)</i>
Sandstone, light pink	70	950
Pink limestone hard	100	1050
Sandstone	250	1300
Hard limestone	50	1350
Sandstone, dark	80	1430
Sandy limestone	150	1580
Sandstone	65	1645
"Potsdam" sandstone	155	1800
"Potsdam" reddish	80	1880
"Potsdam" mixed limestone	120	2000

Originally, a 12-in. diameter hole was reported to be drilled to a depth of 122 ft, reduced to 10 in. between 122 and 800 ft, and finished 8 in. in diameter from 800 to 2000 ft. In 1943, a sounding revealed an 11.5-in. hole to 404 ft, an unknown length of 10-in. liner at a depth of 800 ft, and an 8-in. diameter hole to the bottom. After rehabilitation in 1960 by S. B. Geiger & Co., Chicago, the hole was reported to be 20 in. in diameter to a depth of 125 ft, 16 in. in diameter from 125 to 800 ft, and 6 in. in diameter from 800 to 1945 ft. The well was then recased with 20-in. pipe from land surface to a depth of 125 ft and 16-in. pipe from land surface to a depth of 160 ft (cemented in).

In March 1917, a 25-lb weight was lowered in this well to a depth of 1159 ft, indicating bridging or filling of the well since construction.

In 1931, after a few years of infrequent use, the Varner Well and Pump Co., Dubuque, Iowa, cleaned out the well to a depth of 1850 ft and shot at depths of 1525, 1450, 1200, and 1100 ft. An airlift was installed and weir box measurements showed a production of 360 gpm with a drawdown of 36 ft from a nonpumping water level of 87 ft below land surface.

In 1933, the well reportedly produced 847 gpm for 48 hr with a drawdown of 73 ft from a nonpumping water level of 94 ft below the top of the well.

In 1943, S. B. Geiger & Co., Chicago, reportedly shot this well with a 500-lb charge of 100 percent blasting gelatin between the depths of 1120 and 1160 ft. Approximately 30 cubic yards of sand were removed from the well.

A production test was conducted by the State Water Survey on March 21-22, 1946. After 20.5 hr of pumping at rates ranging from 520 to 685 gpm, the final drawdown was 93 ft from a nonpumping water level of 147 ft below the pump base. Thirty-four min after pumping was stopped, the water level had recovered to 170 ft. During this test, Slade Ave. Well Nos. 2 and 3 were pumping intermittently.

In April 1946, the well was cleaned out by the Layne-Western Co., Aurora, to a depth of 1945 ft. Bridges were encountered at depths of 1145 and 1560 ft and were removed.

On April 23, 1947, after 5 hr of pumping at a rate of 1124 gpm, the pumping water level was below the 302-ft airline. On April 24 and May 2, 1947, the nonpumping water level was reported to be 157 ft below the pump base.

On June 27, 1948, the well reportedly produced 1076 gpm for 18 hr with a drawdown of 147 ft from a nonpumping water level of 160 ft below the pump base.

In 1956, this well was cleaned out to a depth of 1935 ft. A bridge was found at a depth of 1145 ft.

From June 3, 1956 to April 21, 1957, nonpumping water levels ranged from 240 to 295 ft.

The pumping equipment presently installed consists of a 200-hp KSB electric motor, a Layne & Bowler submersible pump set at 600 ft, rated at about 1000 gpm, and has 600 ft of 6-in. column pipe.

A mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. C008783) of a sample collected June 14, 1974, after pumping for 16 hr at 984 gpm, showed the water to have a hardness of 241 mg/l, total dissolved minerals of 330 mg/l, a barium content of 6.8 mg/l, and an iron content of 0.0 mg/l.

SLADE AVE. WELL NO. 2, open to the Cambrian-Ordovician and the Elmhurst-Mt. Simon aquifers, was constructed in 1904 to a depth of 1300 ft by Frank M. Gray, Milwaukee, Wis., deepened in 1924 to a depth of 1950 ft by Coney and Coon, Elgin, and cleaned and deepened in January 1946 to a depth of 1965 ft (rehabilitated in 1959 to a depth of 1935 ft) by the Layne-Western Co., Aurora. The well is located on the west side of the treatment plant about 205.4 ft northeast of Slade Ave. Well No. 1, approximately 640 ft S and 575 ft W of the NE corner of Section 11, T41N, R8E. The land surface elevation at the well is approximately 720 ft.

In March 1917, a 25-lb weight was lowered in this well to a depth of 1272 ft indicating bridging or filling of the well since construction. After the production had decreased, the well was cleaned out in 1924 and the well deepened to 1950 ft.

After deepening in 1924, the hole was reported to be 12 in. in diameter to a depth of 122 ft, 10 in. between 122 and 800 ft, and finished 8 in. in diameter from 800 to 1950 ft. In 1946, when the well was cleaned and deepened to a depth of 1965 ft, the following was reported: 12-in. diameter hole to a depth of 695.3 ft, reduced to 10 in. between 695.3 and 861.7 ft, and finished 8 in. in diameter from 861.7 to 1965 ft. A 6-in. slotted liner was placed from 1117 ft to a depth of 1264 ft. At this time a leak was reported in an upper 12-in. casing at a depth of 128 ft. After rehabilitation in 1959 by S. B. Geiger & Co., Chicago, the hole was reported to be 20 in. in diameter to a depth of 125 ft, 16 in. in diameter from 125 to 800 ft, and 6 in. in diameter from 800 to 1935 ft. The well was then recased with 20-in. pipe from land surface to a depth of 125 ft and 16-in. pipe from land surface to a depth of 160 ft (cemented in).

In 1933, the well reportedly produced 446 gpm for 48 hr with a drawdown of 58 ft from a nonpumping water level of 86 ft below the top of the well.

In 1941, S. B. Geiger & Co., Chicago, reportedly shot

operation of a single well in the group produced 250,000 gpd. These wells were abandoned in 1932.

SLADE AVE. WELL NO. 5, open to the Cambrian-Ordovician aquifer, was completed in September 1949 to a depth of 1225 ft by the Layne-Western Co., Aurora. The well is located southwest of the pumping station about 600 ft southwest of Slade Ave. Well No. 1, approximately 1175 ft S and 1175 ft W of the NE corner of Section 11, T41N, R8E. The land surface elevation at the well is approximately 725 ft.

A drillers log of Slade Ave. Well No. 5 follows:

Strata	Thickness (ft)	Depth (ft)
Yellow clay	5	5
Sand and gravel	30	35
Limestone	25	60
Shale	50	110
Limestone	120	230
Limestone and shale	45	275
Limestone	305	580
Sandstone	170	750
Broken limestone	220	970
Sandstone and shale	65	1035
Sandstone	180	1215
Shale	10	1225

A 30-in. diameter hole was drilled to a depth of 129 ft and finished 20 in. in diameter from 129 to 1225 ft. The well is cased with 30-in. OD drive pipe from land surface to a depth of 65 ft and 22-in. OD pipe from land surface to a depth of 129 ft (cemented in).

A production test was conducted by the driller on September 22-23, 1949. After 20.4 hr of pumping at rates ranging from 1340 to 1001 gpm, the drawdown was 210 ft from a nonpumping water level of 100 ft below the pump base. Pumping was continued for 5.6 hr at rates ranging from 805 to 200 gpm with a final drawdown of 149 ft.

During the period of November 5-December 31, 1950, the nonpumping water levels ranged from 210 to 240 ft.

During the period of May 6, 1956 to April 21, 1957, the nonpumping water levels ranged from 250 to 310 ft.

On May 6, 1959, the well reportedly produced 1202 gpm for 3 hr with a drawdown of 88 ft from a nonpumping water level of 300 ft.

On June 19, 1960, the well reportedly produced 1202 gpm with a drawdown of 75 ft from a nonpumping water level of 307 ft below the pump base.

The pumping equipment presently installed is a 12-in., 9-stage Byron Jackson submersible pump set at 600 ft, rated at 1000 gpm, and powered by a 200-hp Byron Jackson electric motor.

A mineral analysis made by the Illinois Environmental Protection Agency (Lab. No. B20294) of a sample collected November 15, 1976, after pumping for 28 hr at 1018 gpm, showed the water to have a hardness of 266 mg/l, total dissolved minerals of 347 mg/l, a barium content of 5.4 mg/l,

and an iron content of 0.0 mg/l.

SLADE AVE. WELL NO. 6, open to the Cambrian-Ordovician aquifer, was completed in March 1958 to a depth of 1300 ft by L. Cliff Neely, Batavia. The well is located about 650 ft southwest of Slade Ave. Well No. 5 and 1250 ft southwest of Slade Ave. Well No. 1, approximately 1750 ft S and 1500 ft W of the NE corner of Section 11, T41N, R8E. The land surface elevation at the well is approximately 725 ft.

A drillers log of Slade Ave. Well No. 6 follows:

Strata	Thickness (ft)	Depth (ft)
Gravel	30	30
Gravel and sand	20	50
Lime	13	63
Sandy shale	7	70
Shale	45	115
Lime	45	160
Shale	21	181
Lime	53	234
Shale	36	270
Lime	323	593
Sand	47	640
Lime	10	650
Sand	98	748
Gypsum white	2	750
Sand	19	769
Lime	11	780
White gypsum	5	785
Lime	32	817
Shale	3	820
Sandy lime	5	825
Lime	75	900
Gypsum	8	908
Lime	2	910
Dolomite	10	920
Lime	10	930
Red rock and shale	10	940
Lime	25	965
Red sandy shale	11	976
Red rock and lime shells	21	997
Shale	36	1033
Sandy lime	21	1054
Sand	121	1175
Lime	6	1181
Sand	34	1215
Black lime	5	1220
Shale	80	1300

A 26-in. diameter hole was drilled to a depth of 296 ft and finished 19 in. in diameter from 296 to 1300 ft. The well is cased with 26-in. drive pipe from land surface to a depth of 54 ft and 20-in. pipe from land surface to a depth of 293.5 ft (cemented in).

Upon completion, the well reportedly produced 1503 gpm with a drawdown of 37 ft from a nonpumping water level of 407 ft below the pump base.

The pumping equipment presently installed is a 14-in., 7-stage Byron Jackson submersible pump set at 600 ft, rated at 1500 gpm at about 500 ft TDH, and powered by a 250-hp Byron Jackson electric motor.

A partial analysis of a sample (Lab. No. 146283) collected April 1, 1958, showed the water to have a hardness of 252 mg/l, total dissolved minerals of 326 mg/l, and an iron content of 0.2 mg/l.

A description of the wells serving the St. Charles St.

REFERENCE 12

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILE ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug _____ Bored _____ Hole Diam. _____ in. Depth _____ ft.
Curb material _____ Buried Slab: Yes _____ No _____
b. Driven _____ Drive Pipe Diam. 5 in. Depth 178 ft.
c. Drilled ☒ Finished in Drift _____ In Rock ☒
Tubular _____ Gravel Packed _____
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 15 Ft. Seepage Tile Field 86
Cess Pool _____ Sewer (non Cast iron) _____
Privy _____ Sewer (Cast iron) _____
Septic Tank 76 Barnyard _____
Leaching Pit _____ Manure Pile _____

3. Well furnishes water for human consumption? Yes ☒ No _____

4. Date well completed 3-25-79

5. Permanent Pump Installed? Yes ☒ Date 4-19-79 No _____

Manufacturer RED JACKET Type SUB Location Well

Capacity 10 gpm. Depth of Setting 100 Ft.

6. Well Top Sealed? Yes ☒ No _____ Type LP-5

7. Pitless Adapter Installed? Yes ☒ No _____

Manufacturer MARTINSON Model Number BP-10

How attached to casing? UNDER Pressure

8. Well Disinfected? Yes ☒ No _____

9. Pump and Equipment Disinfected? Yes ☒ No _____

10. Pressure Tank Size CA-82 gal. Type CON-AIRE

Location CRAWL SPACE

11. Water Sample Submitted? Yes _____ No ☒

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

JOHN HANTOSH &

10. Property owner BARBARA NOE Well No. _____

Address 216 KING ARTHUR COURT, ELGIN

Driller PILGARD License No. 102-94

11. Permit No. 83941 Date 3-15-79

12. Water from LIMESTONE 13. County LAKE

at depth 111 to 158 ft. Sec. 20

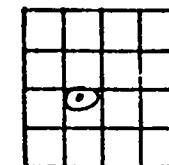
14. Screen: Diam. _____ in. Twp. 41N

Length: _____ ft. Slot _____ Rge. 9E

Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5</u>	<u>Black 15#</u>	<u>0</u>	<u>111</u>



SHOW
LOCATION IN
SECTION PLAT

16. Size Hole below casing: 5 in.

17. Static level 40 ft. below casing top which is 1 ft.

above ground level. Pumping level 80 ft. when pumping at 8

gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>TOP SOIL</u>	<u>12</u>	<u>12</u>
<u>GRAVEL</u>	<u>11</u>	<u>23</u>
<u>SANDY CLAY & GRAVEL</u>	<u>56</u>	<u>79</u>
<u>TIGHT GRAVEL</u>	<u>26</u>	<u>95</u>
<u>CLAY & GRAVEL</u>	<u>16</u>	<u>111</u>
<u>LIMESTONE</u>	<u>47</u>	<u>158</u>
<u>GREEN SHALE</u>	<u>20</u>	<u>178</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Renn Pilgard DATE 8/23/79

White Copy - Ill. Dept. of Public Health
 Yellow Copy - Well Contractor
 Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. in. Depth ft.
 Curb material Buried Slab: Yes ☐ No ☐
- b. Driven ☐ Drive Pipe Diam. in. Depth ft.
- c. Drilled ☒ Finished in Drift ☒ In Rock ☒
 Tubular ☐ Gravel Packed ☒
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
NRAT	5	20

2. Distance to Nearest:

Building Ft. Seepage Tile Field

Cess Pool Sewer (non Cast iron)

Privy Sewer (Cast iron)

Septic Tank Barnyard

Leaching Pit Manure Pile

3. Well furnishes water for human consumption? Yes ☐ No ☒

4. Date well completed 11-12-83

5. Permanent Pump Installed? Yes ☐ Date No ☒

Manufacturer Type Location

Capacity gpm. Depth of Setting Ft.

6. Well Top Sealed? Yes ☒ No ☐ Type

7. Pitless Adapter Installed? Yes ☐ No ☒

Manufacturer Model Number

How attached to casing?

8. Well Disinfected? Yes ☐ No ☒

9. Pump and Equipment Disinfected? Yes ☐ No ☒

10. Pressure Tank Size gal. Type

Location

11. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

10. Property owner Safety-Kleen Corp Well No.

Address 1500 Villa St., Elgin, IL

Driller Frank Sharpe License No. 102-177

11. Permit No. 110271 Date 11/8/83

12. Water from Illinoian SAND 13. County Cook

at depth 26 to 31 ft.

14. Screen: Diam. 10 in.

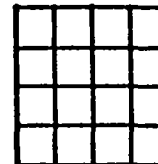
Length: 25 ft. Slot .040

Sec. 20

Twp. 41N

Rge. 9E

Elev.



15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
10	STEEL	0	26

SHOW
LOCATION IN
SECTION PLAT

16. Size Hole below casing: in.

17. Static level 16 ft. below casing top which is 2 ft.

above ground level. Pumping level 21 ft. when pumping at 120

gpm for 10 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Topsoil</u>	<u>6</u>	<u>6</u>
<u>Sand & gravel</u>	<u>46</u>	<u>52</u>

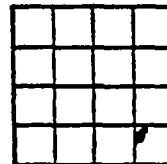
(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Frank Sharpe DATE 1-5-85

16, STATE OFFICE BUILDING, SPRINGFIELD,
CAL / WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner BEO STOUT Well No. _____
Address AL BOX 299 ELGIN, ILL
Driller CHARLES STANLEY License No. 49
11. Permit No. 60457 Date MAY 12, 1977
12. Water from LIME 13. County COOK
at depth 165 to 170 ft. Sec. 20
14. Screen: Diam. _____ in. Twp. 41N
Length: _____ ft. Slot _____ Rge. 9E
Elev. _____



15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5</u>	<u>BALV 15LB</u>	<u>0</u>	<u>165</u>

SHOW
LOCATION IN
SECTION PLAT
NE SE SE
(permit)

16. Size Hole below casing: 5 in.
17. Static level 60 ft. below casing top which is 1 ft.
above ground level. Pumping level 60 ft. when pumping at 14
gpm for 2 hours. Sub pump set at 105'

18. FORMATIONS PASSED THROUGH	THICKNESS TOP	DEPTH OF BOTTOM
<u>DRIET</u>	<u>0</u>	<u>165</u>
<u>LIME</u>	<u>15</u>	<u>170</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Stanley DATE 5/14/77

COOK

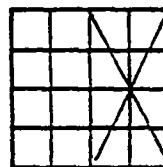
COUNTY NO 25963

20-41N-9E

STATE OFFICE BUILDING, SPRINGFIELD,
AL/WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 11-23-73 (Grabowski)

10. Property owner Mr. Adrian Grabowski No. _____
Address 550 Woodworth
Driller DuPage Pump Inc. License No. 42-197
11. Permit No. 26277 Date 10-30-73
12. Water from Limestone 13. County Cook
at depth _____ to _____ ft. Sec. 20
14. Screen: Diam. _____ in. Twp. 41N
Length: _____ ft. Slot _____ Rge. 9E
Elev. _____



15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Steel 14.98	0	115

SHOW
LOCATION IN
SECTION PLAT
Lot 18, Sher-
wood Oaks Subd
Unit 5, E/2
(Permit)

16. Size Hole below casing: 5 in.
17. Static level _____ ft. below casing top which is 8 ft.
above ground level. Pumping level 65 ft. when pumping at 10
gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Drift	115	115
Limestone	60	175

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Owner Yeoman DATE 11-23-73

COUNTY No. 4580

COOK

20-41N-9E

INSTRUCTIONS TO DRILLERS

White Copy -
Ill. Dept. of Health
Yellow Copy - well Contractor
Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. in. Depth ft.
Curb material Buried Slab: Yes ☐ No ☐
b. Driven ☐ Drive Pipe Diam. in. Depth ft.
c. Drilled ☒ Finished in Drift ☒ In Rock ☒
Tubular ☐ Gravel Packed ☒
d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
NRAT	5	20

2. Distance to Nearest:

- Building Ft. Seepage Tile Field
Cess Pool Sewer (non Cast iron)
Privy Sewer (Cast iron)
Septic Tank Barnyard
Leaching Pit Manure Pile

3. Well furnishes water for human consumption? Yes ☐ No ☒4. Date well completed 11-12-835. Permanent Pump Installed? Yes ☐ Date No ☒

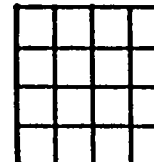
Manufacturer Type Location
Capacity gpm. Depth of Setting Ft.

6. Well Top Sealed? Yes ☒ No ☐ Type 7. Pitless Adapter Installed? Yes ☐ No ☒

Manufacturer Model Number
How attached to casing?

8. Well Disinfected? Yes ☐ No ☒9. Pump and Equipment Disinfected? Yes ☐ No ☒10. Pressure Tank Size gal. Type
Location 11. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

10. Property owner Safety-Kleen Corp Well No. Address 1500 Villa St., Elgin, ILDriller Frank Sharpe License No. 102-17711. Permit No. 110271 Date 11/8/8312. Water from Formation SAND 13. County Cookat depth 26 to 31 ft. Sec. 2014. Screen: Diam. 10 in. Twp. 41NLength: 25 ft. Slot .040 Rge. 9EElev. 

SHOW
LOCATION IN
SECTION PLAT

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
10	STEEL	0	26

16. Size Hole below casing: in.17. Static level 16 ft. below casing top which is 2 ft.
above ground level. Pumping level 21 ft. when pumping at 120
gpm for 10 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Topsoil</u>	<u>6</u>	<u>6</u>
<u>Hard & gravel</u>	<u>46</u>	<u>52</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Frank Sharpe DATE 1-5-85

Copy -
Ill. Dept. of Public Health
Yellow Copy - Contractor
Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL OR MAIL TO STATE
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

GEOLOGICAL AND WATER SURVEYS WELL RECORD

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 8 in. Depth 57 ft.
Curb material ☐ Buried Slab: Yes ☐ No ☐
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
c. Drilled ☒ Finished in Drift ☐ In Rock ☐
Tubular ☐ Gravel Packed ☒
d. Grout:

(KIND)	FROM (FT.)	TO (FT.)
Casing	0	47

2. Distance to Nearest:

Building ☐ Ft. Seepage Tile Field 75
Cess Pool ☐ Sewer (non Cast iron) ☐
Privy ☐ Sewer (Cast iron) ☐
Septic Tank 75 Barnyard ☐
Leaching Pit ☐ Manure Pile ☐

3. Well furnishes water for human consumption? Yes ☐ No ☐
4. Date well completed 6-10-83
5. Permanent Pump Installed? Yes ☐ Date ☐ No ☒
Manufacturer N/A Type ☐ Location ☐
Capacity ☐ gpm. Depth of Setting ☐ Ft.
6. Well Top Sealed? Yes ☒ No ☐ Type CAPPED
7. Pitless Adapter Installed? Yes ☐ No ☒
Manufacturer ☐ Model Number ☐
How attached to casing? ☐
8. Well Disinfected? Yes ☒ No ☐
9. Pump and Equipment Disinfected? Yes ☒ No ☐
10. Pressure Tank Size ☐ gal. Type ☐
Location ☐
11. Water Sample Submitted? Yes ☐ No ☒

REMARKS:

Originally drilled as a
dewatering well - Owner later
decided to keep well for veterinary
experiments - Division of Oil & Gas
were called concerning
setting into permit

IDPH 4.065
1/74 - KNB-1

10. Property owner Shirley Klein Well No. Cook
Address 655 Birchwood Rd. Elgin
Driller Del Gried License No. 102-2813
11. Permit No. 109023 Date Aug 25, 1983
12. Water from Shovel Formation Cook
at depth ☐ to 57 ft. Sec. 20
14. Screen: Diam. 6 in. Twp. 41N
Length: 10 ft. Slot 30 Rge. 9E
Elev. ☐

	X		

SHOW
LOCATION IN
SECTION PLAT

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
8"	#549 Pvc	0	47

16. Size Hole below casing: 7 1/2 in.
17. Static level 30 ft. below casing top which is 1 ft.
above ground level. Pumping level 40 ft. when pumping at 12
gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Sand Shovel	0	55

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED

DATE 10-13-83

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO USER

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug _____ Bored _____ Hole Diam. _____ in. Depth _____ ft.
Curb material _____ Buried Slab: Yes _____ No _____
- b. Driven _____ Drive Pipe Diam. _____ in. Depth _____ ft.
- c. Drilled ☒ Finished in Drift _____ In Rock ☒
Tubular _____ Gravel Packed _____
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:

Building 35 Ft. Seepage Tile Field 85
Cess Pool NONE Sewer (non Cast iron) NONE
Privy NONE Sewer (Cast iron) NONE
Septic Tank 50 Barnyard NONE
Leaching Pit NONE Manure Pile NONE

3. Well furnishes water for human consumption? Yes ☒ No _____

4. Date well completed 2-19-87

5. Permanent Pump Installed? Yes ☒ Date 2-26-87 No _____

Manufacturer FAIRBANKS Type SUBIN Location well
Capacity 30 gpm. Depth of Setting 125 Ft.

6. Well Top Sealed? Yes ☒ No _____ Type VERMIL proof seal

7. Pitless Adapter Installed? Yes _____ No _____

Manufacturer MARTINSON Model Number _____
How attached to casing? Rubber compression

8. Well Disinfected? Yes ☒ No _____

9. Pump and Equipment Disinfected? Yes ☒ No _____

10. Pressure Tank Size _____ gal. Type WV250

Location BASILENT

11. Water Sample Submitted? Yes ☒ No _____

REMARKS:

County #27924

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner WALDON SWENSON Well No. 87-25

Address Sherwood OAKS, ELGIN, IL (Lot 10)

Driller Steven Libery License No. 102-002-730

11. Permit No. 129568 Date 2-27-87

12. Water from limestone 13. County COOK

Formation
at depth 90 to 236 ft.

14. Screen: Diam. _____ in.

Length: _____ ft. Slot _____

Sec. 20 26

Twp. 41N

Rge. 9E

Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
<u>5"</u>	<u>black</u>	<u>0</u>	<u>90</u>
	<u>15# per ft.</u>		

SHOW
LOCATION IN
SECTION PLAT

Lot #10
Sherwood Oaks
Subd. Unit #6
260' SL 60' EL
N45°E

16. Size Hole below casing: 5" in.

17. Static level 60 ft. below casing top which is _____ ft.
above ground level. Pumping level 60 ft. when pumping at 10+
gpm for 2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
<u>Brown CLAY</u>	<u>7</u>	<u>7</u>
<u>SAND & GRAVEL (course)</u>	<u>8.3</u>	<u>90</u>
<u>HARD PAN</u>	<u>64</u>	<u>154</u>
<u>limestone</u>	<u>56</u>	<u>210</u>
<u>Shale</u>	<u>26</u>	<u>236</u>

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Steven S. Libery DATE 3-4-87
hvs

White Copy -
Ill. Dept. of Public Health
Yellow Copy - Well Contractor
Blue Copy - Well Owner

INSTRUCTIONS TO DRILLERS

FILE ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGINAL TO STATE
DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST
JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER
SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well

- a. Dug ☐ Bored ☐ Hole Diam. 5 in. Depth 160 ft.
Curb material ☐ Buried Slab: Yes ☐ No ☐
b. Driven ☐ Drive Pipe Diam. ☐ in. Depth ☐ ft.
c. Drilled ☒ Finished in Drift ☐ In Rock ☒
Tubular ☐ Gravel Packed ☐
d. Grout:

(KIND)	FROM (FT.)	TO (FT.)
CUTTINGS	0	118'

2. Distance to Nearest:

Building ☐ Ft. Seepage Tile Field 75
Cess Pool ☐ Sewer (non Cast iron) ☐
Privy ☐ Sewer (Cast iron) ☐
Septic Tank 50 Barnyard ☐
Leaching Pit ☐ Manure Pile ☐

3. Well furnishes water for human consumption? Yes ☒ No ☐
4. Date well completed NOVEMBER 2, 1979
5. Permanent Pump Installed? Yes ☒ Date 11/12/79 No ☐
Manufacturer KACO Type SUB Location WELL
Capacity 50 gpm. Depth of Setting 126 Ft.
6. Well Top Sealed? Yes ☒ No ☐ Type CAP
7. Pitless Adapter Installed? Yes ☒ No ☐
Manufacturer WILLIAMS Model Number B50AC
How attached to casing? BOLTED
8. Well Disinfected? Yes ☒ No ☐
9. Pump and Equipment Disinfected? Yes ☒ No ☐
10. Pressure Tank Size 80 gal. Type Base
Location Basement
11. Water Sample Submitted? Yes ☒ No ☐

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Adam Zundl Well No. ☐
Address RR #2 - BOX 356 E - DUNDEE, IL
Driller PAUL KNERIM License No. 102-84
11. Permit No. 88496 Date AUGUST 7, 1979
12. Water from ROCK 13. County COOK
at depth 40 to 160 ft. Sec. 20
14. Screen: Diam. ☐ in. Twp. 41N
Length: ☐ ft. Slot ☐ Rge. 9E
Elev. ☐

	X	

15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	BLACK 15#	0	118'

SHOW
LOCATION IN
SECTION PLAT

16. Size Hole below casing: 5 in.
17. Static level 40 ft. below casing top which is 1 ft.
above ground level. Pumping level 126 ft. when pumping at 50
gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	0	15
Sand Gravel	15	65
Clay	65	90
Sand Gravel	90	118
Rock	118	160

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Phillip Knerim DATE Nov. 13, 1979
BR